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#### ABSTRACT

A dissolution test sample holder for testing topical formulations for dermal and/or transdermal drug delivery is disclosed. The holder has a cylinder tubular body with an end cap removably attached to one end. The end cap has a peripheral wall which frictionally engages the body to hold the end cap in place. A flange extends perpendicularly from the peripheral wall inwardly defining an aperture in the end cap and providing a support surface for a membrane held within the end cap. A ring is positioned within the end cap on the membrane, the membrane being sandwiched between the ring and the support surface. The ring protects the membrane by preventing contact between it and the body and provides a volume for holding the test sample in contact with the membrane.